

19981229.ba v02\_n354.bam.981229

>From ???@??? Tue Dec 29 11:34:41 1998  
Message-Id: <199812291505.JAA02619@sco.theporch.com>  
Date: Tue, 29 Dec 1998 09:04:22 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2354

BOATANCHORS Digest 2354

Topics covered in this issue include:

- 1) Re: GB> The color-burst gathering  
by "E. V. Sandy Blaize" <ebjr@worldnet.att.net>
- 2) ADMINISTRIVIA: Posting Admin Requests  
by listown@jackatak.theporch.com (Mail List Owner)
- 3) Panadapter usage  
by Sheldon Wheaton <swheaton@sky.net>
- 4) FS: Command rcvrs and TU-8B  
by "Owens, Clarence" <owensc@nebeng.otis.com>
- 5) Wanted: Tuning knob for SX-71  
by WJoeW@aol.com
- 6) It was a Merry Christmas after all.  
by cswiger <cswiger@wilma.widomaker.com>
- 7) RE: E.F. JOHNSON-STYLE DOUBLE-FUSED A.C. PLUGS  
by "Roy S. Morgan" <roy.morgan@nist.gov>
- 8) Re T-49C/AMT-1 micro BA  
by philip mccooy <dgnova@erols.com>
- 9) Thunderbolt Parts  
by "ROBERT F. KEMP" <rkemp@mr.net>
- 10) RE: E.F. JOHNSON-STYLE DOUBLE-FUSED A.C. PLUGS  
by "Ed Tanton" <n4xy@mindspring.com>
- 11) RE: painting, the way it us'ta be.....  
by Ed Sieb <esieb@gmsiworld.com>
- 12) Need Schematic  
by Jderm740@aol.com
- 13) Generator manual needed  
by James.Reid@merisel.com
- 14) Need SP-600JX front panel  
by Tom Norris <badger@telalink.net>
- 15) ETO FACE PLATE  
by "anthony w. deprato" <tdeprato@som-uky.campuscw.net>
- 16) Crystals for trade  
by "E. V. Sandy Blaize" <ebjr@worldnet.att.net>
- 17) RE: RDP  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 18) RE: LF/VLF ARC-5 Receivers

- by "ROBERT W. DOWNS" <RWDDowns\_WA5CAB@compuserve.com>  
19) KWM2A Manual needed  
by Tom Norris <badger@telalink.net>  
20) Re: Re T-49C/AMT-1 micro BA  
by Kargokult@aol.com  
21) BC-610 box wanted  
by Tom Smith <tsmith@hal-pc.org>  
22) Re: MORE ON HAMMARLUND  
by "Barry L. Ornitz" <ornitz@tricon.net>  
23) Re: Re T-49C/AMT-1 micro BA  
by Lenox Carruth <carruth@geo-thermal.com>

-----  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "E. V. Sandy Blaize" <ebjr@worldnet.att.net>  
Subject: Re: GB> The color-burst gathering  
Message-Id: <19981228161823.MBUY17206@LOCALNAME>  
Date: Mon, 28 Dec 1998 16:18:23 +0000

At 09:02 AM 12/28/98 -0500, you wrote:

>  
>Hi!  
>  
> If anyone's wondering, the color-burst freq is still hoppin! Went down  
>to the basement last night to do some laundry, flipped on one of the sets  
>left on 3579 kc/s from a QSO earlier, and Sandy (W5TVW) fair \*leapt\* outta  
>the ether (like he'd been holding a lit match in it!). He was holding  
>court in a roundtable with Bob (AC5AM\*), Jack (W7QQQ) and John (W7ZFB, I  
>think--the log's downstairs). So I fired up the most powerful rig here  
>(50W and let's \*not\* discuss the active devices) and joined in--.....  
> It's loads of fun--where else will you hear a left-handed bug mentioned  
>as casually as the weather? I'll be back, and sure hope to hear more of  
>the gang next time!

>  
> 73,  
> --Bobbi  
>

Gee gal, we were tickled \*pink\* to hear you down here! Don't worry about the \*other\* devices in the rig....one night we'll twist your arm to try the 6L6 rig! A "left" handed bug? Last one of those I saw was "homebrew"....in that the owner disassembled the bug, turned the base upside down and re-assembled it. It looked funny but it worked. Some radio operator on some ship I have long forgotten. At least, after next year I can tell the "young wippersnappers" that I remember when there was vacuum tube rigs and manual telegraphy on the

ships!

Join us more often, and if someone is going too fast, don't be afraid to ask the station to QRS! Hope my speed was OK for you. Only way the speed will come up is some practice. You and any of the gang here is welcome anytime. Come join us folks!

73,  
Sandy W5TVW

-----  
Message-Id: <199812281715.LAA25467@jackatak.theporch.com>  
From: listown@jackatak.theporch.com (Mail List Owner)  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: ADMINISTRIVIA: Posting Admin Requests  
Date: Mon, 28 Dec 98 11:15:01 CST

Gang-

Please accept this periodic posting as it is intended:  
A suggestion that will help everyone on the list...

If there is a problem with your email, i.e., the list suddenly stops coming to you, or if you have problems with someone else's mail, PLEASE address any questions to, and seek help from:

listown@jackatak.theporch.com

There is really no one on the list who can help you with a problem, and if I don't happen to see your post, nothing will happen, except you may irritate the other list members... needlessly.

This is \*especially\* true of the "XXXX YYYY your mail is bouncing, please send me a good address"

If your mail to this person is bouncing, in all likelihood, either you have the address a bit wrong, or s/he isn't receiving mail from ANYWHERE \*especially\* not from the list, which is delivered as "Bulk!"

Treat the list as a symposium.

In such an environment, with many folks attending who have paid to be here, it is unlikely you would take up the symposium's resources to solve an individual problem with your seating...

So, if you encounter a problem, PLEASE remember to send your questions to me, the one person who can help, at:

listown@jackatak.theporch.com

Thanks for your attention

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -

listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

"Il n'y a que les idiots qui ne changent jamais d'idee"

Mon Dec 28 11:15:00 CST 1998

-----  
Date: Mon, 28 Dec 1998 11:29:38 -0600 (CST)

From: Sheldon Wheaton <swheaton@sky.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Panadapter usage

Message-ID: <Pine.GS0.3.96.981228112607.21951L-100000@sky.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Along with Brian Bjerkelund's inquiry about applications of the RDP panadapter, I'd like to ask about the REP panadapter as well. This one has a 30 MHz center frequency, with +/- 3 MHz sweep, and looks somewhat like a BC-1031 on the front, but with reversed panel layout. It is about 15% bigger than the 1031 in width and length also.

Anyone have any knowledge of this unit, it's usage, or any documentation?

Thanks & 73, Sheldon KC0CW <http://www.sky.net/~swheaton>

-----  
Content-return: allowed

Date: Mon, 28 Dec 1998 12:26:00 -0500

From: "Owens, Clarence" <owensc@nebeng.otis.com>

Subject: FS: Command rcvrs and TU-8B

To: Old Tube Radios <boatanchors@theporch.com>

Message-id: <0F40009H2R8WQZ@mailman.otis.com>

MIME-version: 1.0

Content-type: text/plain

Hi List Members,

I hope you all have been having a wonderful holiday season. I decided to look around the radio room this morning and came up with three things that I don't want to keep but are a little too nice to scrap:

BC-453B Command Set receiver by Western Electric, 190-550kc, S/N 62109, bare aluminum. No front panel mods except for the removable panel. It's been drilled and a pot installed in one hole. The internal connector has been soldered to. The rear connectors and Dynamotor shock mounts are fine but no dynamotor. Has both top covers, IF and RF coils but no tubes. Missing the

three "things" found bolted inside the rear of the chassis (output xfmr, some coil(?) and a cap). Rear of the chassis has one dent. Has bottom cover but only one screw holding it in place.

BC-454B Command Set receiver by Western Electric, 3-6mc, S/N 94376, bare aluminum. Front panel mods: BNC antenna connector and missing the two pointed posts in the lower corners. removable panel has pilot light jewel, switch and phone jack. No solder on any connectors, front or rear. Dynamotor shock mount is OK but no dynamotor. Has all tubes, all but one are glass. IF and RF coils are there. Has top cover but no tube area removable cover and one of the attachment posts is missing. Inside all seems to be there plus three National pi wound RF chokes and a couple of associated resistors. Some of the cover screws are missing.

How about \$15 for the two receivers plus shipping?

TU-8B tuning unit for the BC-375 or BC-191 transmitters, 6200-7700kc, S/N 74098. Complete but no CS-48 case and the screws holding the perforated covers are not original or all there. The Calibration chart has the same S/N and the plastic is yellowed but quite clear. Has paint chips around the edges of the front panel and the black wrinkle has dirt that just \*does not\* want to come off, as usual. I've only used plain water on it so far. The insides are complete and clean. How about \$10 plus shipping?

Sorry for the bandwidth, but I wanted to make their condition clear, since they aren't in primo condition.

My e-mail reading/answering time will be limited from now until Monday but I will try to keep up.

Happy New Year, everyone!

Clare Owens N2RJB

-----  
From: WJoew@aol.com  
Message-ID: <64540129.3687c2d2@aol.com>  
Date: Mon, 28 Dec 1998 12:41:38 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: Wanted: Tuning knob for SX-71  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I am looking for one of the main tuning knobs (with the metal ring inside) for the Hallicrafters SX-71.

Can anyone help?

Thanks.

Joe  
W5WBR

-----  
Date: Mon, 28 Dec 1998 13:54:49 -0500 (EST)  
From: cswiger <cswiger@wilma.widomaker.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: It was a Merry Christmas after all.  
Message-ID: <Pine.BSF.3.96.981228135034.13519A-100000@wilma.widomaker.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

To keep a short story short, by early morning it wasn't looking like great traveling wx. Altho I'd planned to be with family for the holidays, early Thursday I-64 just north of Williamsburg was closed due to ice covered trees falling over on the road and downed power lines.

Great! Lets get out of this freezing rain and huddle by a nice warm amplifier. So spent the afternoon making contacts, and while asking about a Sunday nite RTTY net, the Barker&Williamson 5100B started making an unusual noise, then noticed plate current was off the scale and cut the transmission then and there. KI0LO came back with "what the heck was that?!", and I just managed a short "73's" and powered it off.

Doubly great - can't travel and can't transmit! So it's off to the workbench to follow up on an idea. I'd noticed that one final tube would start turning red on long xmits, while the other stayed dark - should have fixed this long ago but too busy or lazy. First thing is to eliminate the obvious - mismatched tubes and it turns out the B&W tech notes has a convenient way to match 'em up: pull all four 6146's, put one reference tube in the modulator, apply hv and adjust mod bias for 50ma. Did so, and tagged the tube, then proceeded to tag the rest of the stock and came up with a nicely matched pair for the AM modulator and a pair for the PA. It's quit easy. The previous set were off by at least 20ma.

Started to make another attempt at travelling on Christmas eve but by then it was getting dark, the rain was turning to sleet - blah!

So we got back on the air, and just in time to catch ZD7JC, St. Helena Island in qso, and managed to be his next and ask for qsl, just before a miniture pile up began. Later heard John working British Columbia & others w/ his 50 watt station and Cubical Quad.

Next morning we got up early and made it to the relatives house just in time to open packages with the neices. Thanks to the hard

working Power Company and road crews things turned out great after all.

Chuck  
kb4new  
cswiger@widomaker.com

-----  
From: "Roy S. Morgan" <roy.morgan@nist.gov>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: E.F. JOHNSON-STYLE DOUBLE-FUSED A.C. PLUGS  
Date: Mon, 28 Dec 1998 14:55:09 -0500  
Message-Id: <006301be329b\$f93a4da0\$325f2e82@morganrswnt.dt.navy.mil>  
Mime-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mike,

(and any unwary would-be purchaser of said plugs),

I hope you send a warning notice that those plugs can kill you, if the right set of failures occurs.

Good luck one and all!

Roy

---Roy Morgan  
Hydrodynamics/Hydroacoustics Technology Center  
Naval Surface Warfare Center, Carderock Division  
9500 MacArthur Boulevard  
West Bethesda, MD 20817-5700  
301-227-3827 FAX: 301-227-3884----

> -----Original Message-----  
> From: Mike Warren [mailto:w5maz@earthlink.net]  
> Sent: Sunday, December 27, 1998 6:23 AM  
> To: Old Tube Radios  
> Subject: FS: E.F. JOHNSON-STYLE DOUBLE-FUSED A.C. PLUGS  
>  
>  
> Hi Gang,  
>  
> Thanks to John Sehring who uncovered them and sold them to me, I  
> have available 15 NOS original ELMENCO black plastic fused AC

> line cord plugs as used by E.F. Johnson on the Ranger, Valiant,  
> etc. They are in like-new condition and come with two 10 amp  
> cartridge fuses installed.  
>  
> I have purchased padded shipping bags and for a \$5 bill, I will  
> send you a plug via first class mail (Canada included). First  
> come, first serve, one to a customer unless I get less than 15  
> requests.  
>  
> Happy Holidays to ALL!  
>  
> 73,  
> Mike Warren W5MAZ  
> 15533 Sandhill Circle  
> Eden Prairie, MN 55347  
>

-----  
Message-ID: <36880CC0.1982@erols.com>  
Date: Mon, 28 Dec 1998 14:57:04 -0800  
From: philip mccoey <dgnova@erols.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re T-49C/AMT-1 micro BA  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Steve asked about this item. It is a radiosound (sorry about spelling)  
1 section of the 3A5 is the transmitter, the other is the modulator.  
They were connected to a weather station (don't remember the correct  
name).

3 things are measured, air pressure, temperature, and humidity. They  
were carried on hydrogen filled ballons (need spell check) and go up to  
about 100,000 feet.

The receiver was a modified National 1-10, which had a vacuum tube  
voltmeter connected to the 955 superregen detector. This acted as  
a S meter. They were available on the surplus market in the late  
40s and 50s. They were a lot of fun to pull apart. I am sorry I  
did that now.

The earliest one used a type 19 tube, operating on about 68mcs. The  
latest one I run into, worked on about 1600mcs and used a special  
triode which had a built in tuned cavity.

-----  
Message-ID: <3688000B.696F@mr.net>  
Date: Mon, 28 Dec 1998 14:02:51 -0800  
From: "ROBERT F. KEMP" <rkemp@mr.net>



MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Thunderbolt Parts  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Update on needed parts for my Thunderbolt: Band Switch and "grid" variable capacitor, also the unit behind the middle front panel!!!!??  
Picked up two of these units and both apparently were modified (by taking out the band switch!!!! don't know why.....!!!) Anyway, will probably have one myself as a parts unit now so if anyone needs some parts off a Thunderbolt, let me know.  
Bob.

-----  
From: "Ed Tanton" <n4xy@mindspring.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "Old Tube Radios" <boatanchors@theporch.com>  
Subject: RE: E.F. JOHNSON-STYLE DOUBLE-FUSED A.C. PLUGS  
Date: Mon, 28 Dec 1998 16:15:18 -0500  
Message-ID: <005701be32a7\$2b77eec0\$01010101@n4xy>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Hi Roy... I can't speak for the other guys, but I wouldn't USE one on a bet-BUT they are essential for a truly "stock" Ranger/etc. and will be kept on hand just to accompany a sale of said items-a long shot in my case, since they'll have to pry my Ranger II from my cold, dead, RF-burned, hands! That doesn't lessen their value one bit to me, however.

My own personal rule for anything-including BAs-is that NOTHING unsafe will be tolerated. However, I "don't make no new holes" (such as for a fuseholder) so the easiest solution is to put an external minibox partway down the cord from the outlet (so it can rest on the floor out of sight) with ONE fuse. (I realize there are folks who think ONE fuse is dangerous too-I disagree.) A blown-fuse indicator is nice to have but not necessary. The cord is a 3-way cord. THAT takes care of the EFJ AC line safety issues.

Ed Tanton N4XY

-----  
Message-ID: <01BE3281.78510C20@esieb.gmsiworld.com>  
From: Ed Sieb <esieb@gmsiworld.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: painting, the way it us'ta be.....

Date: Mon, 28 Dec 1998 16:45:23 -0500  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Interesting, re: WE Gray. I found a perfect match for touching up my ex-Western Electric  
Equipment is standard auto touch-up paint: Ford light gray for the Taurus! I can get the actual  
part numbers, etc. if really, really required, but it'll take a little time, as the paint and equipment  
is stored in my warehouse 100 miles east of me.

Ed, VA3ES

-----  
From: Jderm740@aol.com  
Message-ID: <b4949d2f.3687f9ec@aol.com>  
Date: Mon, 28 Dec 1998 16:36:44 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: Need Schematic  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Howdy

I recently pick-up a pair of Hickok 539 As. One was in good condition and the other appears to be an organ donor. Somebody blew the main meter. I wish they had left it in the set as I might have been repairable. But. It's not there. Just a hole inthe panel.  
The instruction booklet was a copy done on a low grade copier using acid processed paper. The written part I can save with use of a good copier (it is readable) but the schematic has too many "printing holes" to be readable. I need a good copy of the schematic if anyone had one they could copy for me. Just let me know how much.  
Thanks

Jack Jderm740@aol.com

-----  
From: James.Reid@merisel.com  
Mime-Version: 1.0  
Date: Mon, 28 Dec 1998 14:21:49 -0800  
Message-ID: <0002F1AB.C22034@merisel.com>  
Subject: Generator manual needed  
To: Old Tube Radios <boatanchors@theporch.com>

Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

Greetings all,

A good friend of mine handed me a Precise 630 AF/RF/TV marker generator as part of a package of TV goodies I needed. It was one of those "Ok, you can have the RCA set for parts, but you have to take THIS, too." deals. It looks to be in good shape, but I need a manual for it. A schematic would be helpful, too, but I'm more unclear with operation as opposed to servicing. The usual sources didn't turn up anything. Postage, copying costs, etc. cheerfully refunded. TIA.

-Jim N6SVS  
James.Reid@merisel.com

-----  
Message-Id: <3.0.5.32.19981228182222.0090eba0@mail1.telalink.net>  
Date: Mon, 28 Dec 1998 18:22:22 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Tom Norris <badger@telalink.net>  
Subject: Need SP-600JX front panel  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Anyone have an extra lying around? Condition not important,  
as I intend to strip and refinish it if it needs it anyway.

Thanks

Tom Norris

-----  
Message-Id: <3.0.5.32.19990103194838.0085f1f0@mail.som-uky.campuscw.net>  
Date: Sun, 03 Jan 1999 19:48:38 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "anthony w. deprato" <tdeprato@som-uky.campuscw.net>  
Subject: ETO FACE PLATE  
Cc: hallicrafters@qth.net, boatanchors@theporch.com  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

While cleaning the shack store room today i found a used face plate for an ETO 76A. the lettering is very good on it but for some reason the gray paint is very spungy.. this would make a good one to copy the layout and then repaint and letter. will mail from kentucky 42533. offers excepted.  
tony wa4jqs

-----  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "E. V. Sandy Blaize" <ebjr@worldnet.att.net>  
Subject: Crystals for trade  
Message-Id: <19981229010813.DLAM1373@LOCALNAME>  
Date: Tue, 29 Dec 1998 01:08:13 +0000

Going thru my crystal box. Have the following FT-243 crystals,  
some are the kind with all plastic cases, some have the metal covers.  
19 each in 5.4-6.7 Mhz range  
22 each in 7.4-7.8 Mhz range.  
1 each 8.150 and 8.175 (2 meters)  
2 each in 8.3 Mhz range  
9 each in 8.346-8.6667 Mhz range (6 meters)

I'm looking for FT-243 crystals in following ranges: 3.2-3.6 Mhz.,  
4.9-5.1 Mhz., 6.8-7.1Mhz. What have you?

73,

Sandy W5TVW

-----  
Date: Mon, 28 Dec 1998 20:25:16 -0500  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: RE: RDP  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199812282026\_MC2-64EF-7CC4@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Brian & Group,

I have an RDP (actually a CPN-55161) which if I haven't =  
gotten it confused with another set (it's been in storage =  
for a while) is used with the RDO. The RDO is a shipboard =  
countermeasures set using the same plug-ins as the =  
AN/APR-1 and AN/APR-4. The panadaptor that I have listed =

in the database for use with the RBC is the RBV, which has =  
a 400KC input. So does the RBU, and I haven't determined =  
the difference yet. The RDO has a 30MC IF.

73,  
Robert Downs  
WA5CAB  
Houston, TX

-----  
Date: Mon, 28 Dec 1998 20:25:19 -0500  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: RE: LF/VLF ARC-5 Receivers  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199812282026\_MC2-64EF-7CC5@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Joe & Group,

The receivers were the BC-453, R-23/ARC-5, R-148/ARC-5, =  
C??-46129, R-511/ARC, R-11 Type 15. There may be another =  
or two that I've forgotten. The first four have tuning =  
dials. The R-11 and, according to Jan (I've never actually =  
seen one) the R-511 don't. =

Everyone used to have a stack of them, at least everyone =  
who played with surplus. You'll probably find several =  
locally, but if you don't drop me a note. I've got a few =  
left somewhere.

73,  
Robert Downs  
WA5CAB  
Houston, TX =

-----  
Message-Id: <3.0.5.32.19981228201841.009298f0@mail1.telalink.net>  
Date: Mon, 28 Dec 1998 20:18:41 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Tom Norris <badger@telalink.net>  
Subject: KWM2A Manual needed  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

A friend of mine is looking for a manual for his KWM-2A.  
Anyone have an extra or a good copy for a decent price?

73

Tom

-----  
Please visit The Mil List for info on military communications gear:

[HTTP://www.telalink.net/~badger/millist/mi.html](http://www.telalink.net/~badger/millist/mi.html)

Click on the "Online Manuals..." link for a few  
manuals in PDF format. More to be added  
as time goes by.

ANY and ALL Contributions Welcome.

\*\*\*\*\*

Tom Norris KA4RKT

badger@telalink.net                      Nashville, Tennessee, USA

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\*\*\*\*\*

-----  
From: Kargokult@aol.com  
Message-ID: <cc94e809.36884233@aol.com>  
Date: Mon, 28 Dec 1998 21:45:07 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: Re: Re T-49C/AMT-1 micro BA  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

there's another balloon borne transmitter that showed up in the surplus  
piles in the 50s and 60s, unfortunately i cannot recall the nomenclature,

but it used a 3A5 also, but an xtal on 3135 kc/s, and you never found one with whatever original case it had, just the phenolic chassis with tube and xtal and parts. i'm thinking it just had an RF choke for output also, as i don't recall any sort of plate tuning. wonder what the purpose of this thing was.

hue

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Message-ID: <3687F8FF.4E56BFA2@hal-pc.org>  
Date: Mon, 28 Dec 1998 21:32:47 +0000  
From: Tom Smith <tsmith@hal-pc.org>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BC-610 box wanted  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang,

Robert Downs put me on the trail of a box that was used to hold the FT-171-B crystals in the shelter for the BC-610. This thing holds a pile of xtals so I'm sure there isn't a lot of them around unless the XYL is using it to store her sewing stuff. Fat chance!

Anyway if anyone has a BX-34 box available for sale, please drop me a line.

Thanks and Season's greetings to you all and your family.

Tom N5AMA

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From: "Barry L. Ornitz" <ornitz@tricon.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: MORE ON HAMMARLUND  
Date: Tue, 29 Dec 1998 00:31:55 -0500  
Message-ID: <01be32ec\$8c1e01c0\$1951e6cd@ornitz.dpnnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I would like to add a few more thoughts on John's HX-50 too.

>I strongly think it was the VFO tank coil ferrite core material's  
>temperature coefficient. I got this idea from Doug DeMaw. But varactor  
>is good possibility too, I never tried temporarily disconnecting it.  
>The VFO just never settled down. I don't recall (it's been too many years  
>now) if the delta freq was always in one direction or not.

Ferrites usually have a much higher temperature coefficient than do powdered iron cores. Most commercial ferrites have moderately linear temperature coefficients that fall in the range of 0.1 to 0.5% per DegC but some varieties go as high as 1%/DegC. This is an increase in inductance with temperature and 40 DegC temperature rises are not at all uncommon in tube gear. Does the drift always occur towards a lower frequency and is it as \_drastic\_ as a 2 to 15% drop in frequency? Ferrites also have an interesting property called disaccommodation in which the permeability decreases with age, but this is a slow effect.

The temperature coefficient of a varactor diode is quite a bit more complex. Essentially, every degree C temperature rise will act if an additional 2 millivolts is applied to the diode reverse bias. Since the capacitance of the varactor changes nonlinearly with bias voltage (is it a standard or hyperabrupt diode?), the drift will be worse the lower the diode bias becomes. Again the drift will be in the direction of increased capacitance with temperature.

Something that might have been neglected is how the varactor is powered. Is this voltage regulated in any way? It certainly should be. High capacitance varactors are associated with excessive phase noise in oscillators, but this is a different issue.

My suggestion would be to first see if the drift is essentially unidirectional from warmup, and if it is really drastic. The varactor circuitry can be disconnected from the oscillator coil to see what this does. I'll bet the VFO actually has several problems but look for the big ones first.

If the ferrite is causing the problem (and you have a capacitor-tuned VFO), change the coil for one with a powdered iron core, or perhaps an air wound coil.

If the varactor is a problem, I would do as Bobbi suggested and use a simple diode switch to bring in an additional trimmer capacitor. In the 6 MHz region, an ordinary 1N4148 diode will work better than a fancy PIN diode for this switch.

The feedthrough issue with 40 meters is an entirely different problem. Don't even attempt to tackle it until the basic VFO has been stabilized.

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Message-ID: <3688EDC4.AD9B4928@geo-thermal.com>  
Date: Tue, 29 Dec 1998 08:57:09 -0600  
From: Lenox Carruth <carruth@geo-thermal.com>  
MIME-Version: 1.0



To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Re T-49C/AMT-1 micro BA  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Sounds like a radiosonde transmitter to me. They were used along with a separate modulator unit to send a weather profile back to a receiver.

The modulator had a barometric pressure (altitude) sensor that consisted of a couple of metal diaphragms that moved an arm over a commutator sector thus switching the transmitter modulation from each of the sensors. As I recall (I haven't seen one in years) they sensed altitude and temperature. I don't believe there was a humidity sensor. The modulator, transmitter and battery all hung down below the balloon. I believe they also had a parachute for recovery and a message on the side requesting return to the using agency.

They were used with helium filled weather balloons which also were quite common at one time. The balloons were tracked with a theodolite. Thus, an atmospheric profile was generated with temperature and wind as a function of altitude. This was an integral part of weather forecasting for years.

Kargokult@aol.com wrote:

> there's another balloon borne transmitter ..... wonder what the  
> purpose  
> of this thing was.  
> hue

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Lenox

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Lenox Carruth                      Dallas, TX                      carruth@geo-thermal.com  
Collector of WW-II Communications Equipment and Memorabilia

Wanted:        TCS-14 Transmitter,        TBX,        BD-71,        Sextant  
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End of BOATANCHORS Digest 2354  
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